

Abstract

Methods and associated structure for providing a substitute, predetermined, fixed length when transferring burst transactions from one device to another through a bridge device where the burst transaction has an indefinite length specified. In one exemplary preferred embodiment, an AMBA AHB bus bridge slave device recognizes initiation of burst transactions of a indefinite length and translates the indefinite length burst transactions on the first bus into appropriate bus transactions for application to a second bus or device having a predetermined fixed length for the transferred the burst transactions. In a second embodiment, a slave device acting as a bridge receives a burst of indefinite length and translates the bus request into one with a predetermined fixed length for application to a device controller. Preferably, the predetermined substitute burst length is configurable within the system to permit optimization of the predetermined fixed length in accordance with the needs of particular buses and devices within the system.

LSI Docket No. 000005